

3/12/04

INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE
PROSECUTION OF THE SUBJECT APPLICATION

Applicants: Y. Nakano et al. Attorney Docket No. NAI122545

Title: ALL-OPTICAL FLIP-FLOP

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Abstract Translation Provided
	F1	JP 51-25710	A	05/21/1993	JP	X	
	F2	JP 06-13714	A	01/21/1994	JP	X	X

OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.	Reference Description
<i>efc</i>	O1	El-Refaei, H.H., and D.A.M. Khalil, "Design of Strip-Loaded Weak-Guiding Multimode Interference Structure for an Optical Router," <i>IEEE Journal of Quantum Electronics</i> 34(12):2286-2290, December 1998.
<i>efc</i>	O2	Jian, B.B., "Continuous-Wave Operation of Monolithic Two-Mode Optical Flip-Flop With Etched Laser Mirrors," <i>Electronics Letters</i> 32(20):1923-1925, September 26, 1996.
<i>efc</i>	O3	Johnson, J.E., and C.L. Tang, "Optical Flip-Flop Based on Two-Mode Intensity Bistability in a Cross-Coupled Bistable Laser Diode," <i>Applied Physics Letters</i> 63(24):3273-3275, December 13, 1993.
<i>efc</i>	O4	Soldano, L.B., and E.C.M. Pennings, "Optical Multi-Mode Interference Devices Based on Self-Imaging: Principles and Applications," <i>Journal of Lightwave Technology</i> 13(4):615-627, April 1995.
<i>efc</i>	O5	Soldano, L.B., et al., "Planar Monomode Optical Couplers Based on Multimode Interference Effects," <i>Journal of Lightwave Technology</i> 10(12):1843-1850, December 1992.
<i>efc</i>	O6	Watanabe, M., "Bistability Between Two Crosscoupled Lateral Modes in Twin-Stripe Lasers," <i>Bulletin of the Electrotechnical Laboratory</i> 57(11):69-77, November 1993.

EFC

- 07 Watanabe, M., et al., "An Optical Set-Reset Flip-Flop Semiconductor Laser With Two Mutually Complementary Outputs," *Proceedings of the International Conference on Optical Computing*, Edinburgh, U.K., August 22-24, 1994, pp. 581-584.

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Date Considered

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*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JMS:snh



4/5/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Y. Nakano et al.

Attorney Docket No.: NAI122545

Application No.: 10/799,786

Filed: March 12, 2004

Title: ALL-OPTICAL FLIP-FLOP

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

March 31, 2004

TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

1. The enclosed Japanese Publication No. 51-25710 B1 (which is not in the English language) was previously enclosed with the Information Disclosure Statement filed concurrently with the above-identified application. However, the English abstract related to a different Japanese publication, No. 51-25710 A, was inadvertently listed as Cite No. F1 and was identified as being the abstract of Publication No. 51-25710 B1. To correct this oversight, Japanese Publication No. 51-25710 B1 is being resubmitted as Cite No. F1 and a concise explanation of the relevance of said publication, as presently understood by the individual designated under 37 C.F.R. § 1.56(c) most knowledgeable about its content, is provided in the accompanying PCT search report indicating the degree of relevance.

2. Pursuant to 37 C.F.R. § 1.97(b), this Supplemental Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date.

Date:

March 31, 2004

Shannon Hill

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	F1	JP 51-25710	B1	08/02/1976	JP			

OTHER INFORMATION
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Initial

EPC

PTO International Search Report for PCT/JP02/09238

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